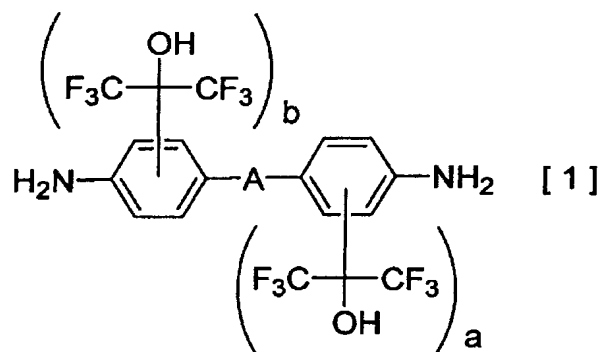


**Amendments to the Claims:**

The following listing of claims replaces all prior versions, and listings, of claims in the application:

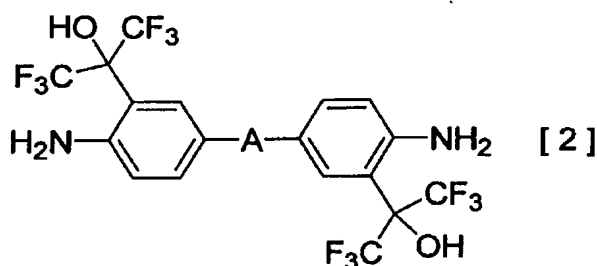
**Listing of Claims:**

1. (previously presented) A fluorine-containing polymerizable monomer represented by the formula [1],



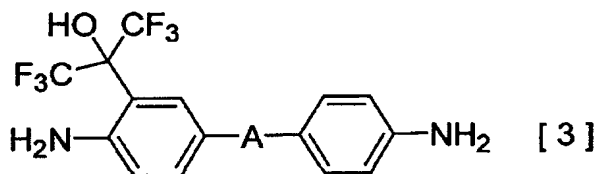
wherein A represents a single bond, oxygen atom, sulfur atom, CO, CH<sub>2</sub>, SO, SO<sub>2</sub>, C(CH<sub>3</sub>)<sub>2</sub>, NHCO, C(CF<sub>3</sub>)<sub>2</sub>, phenyl, or aliphatic ring; each of "a" and "b" independently represents an integer of 0-2; and 1 ≤ a+b ≤ 4.

2. (previously presented) A fluorine-containing polymerizable monomer represented by the formula [2],



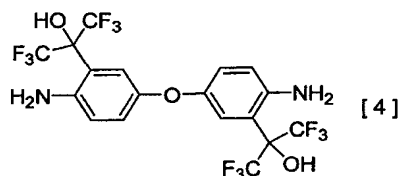
wherein A represents a single bond, oxygen atom, sulfur atom, CO, CH<sub>2</sub>, SO, SO<sub>2</sub>, C(CH<sub>3</sub>)<sub>2</sub>, NHCO, C(CF<sub>3</sub>)<sub>2</sub>, phenyl, or aliphatic ring.

3. (previously presented) A fluorine-containing polymerizable monomer represented by the formula [3],

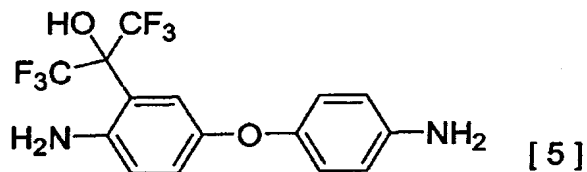


wherein A represents a single bond, oxygen atom, sulfur atom, CO, CH<sub>2</sub>, SO, SO<sub>2</sub>, C(CH<sub>3</sub>)<sub>2</sub>, NHCO, C(CF<sub>3</sub>)<sub>2</sub>, phenyl, or aliphatic ring.

4. (previously presented) 3,3'-bis(1-hydroxy-1-trifluoromethyl-2,2,2-trifluoroethyl)-4,4'-oxydianiline represented by the formula [4].

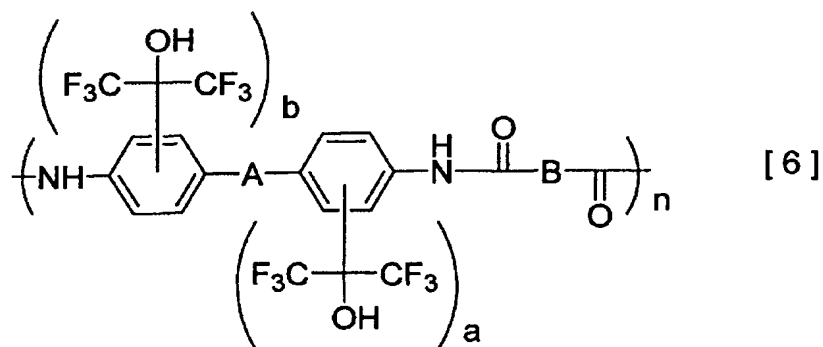


5. (previously presented) 3-(1-hydroxy-1-trifluoromethyl-2,2,2-trifluoroethyl)-4,4'-oxydianiline represented by the formula [5].



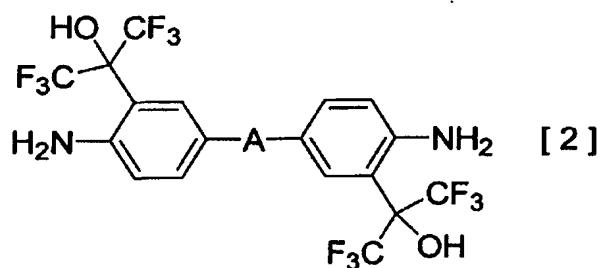
6. (previously presented) A polymer compound obtained by a polymerization using a fluorine-containing polymerizable monomer according to claim 1.

7. (previously presented) A polymer compound according to claim 6, which is represented by the formula [6],

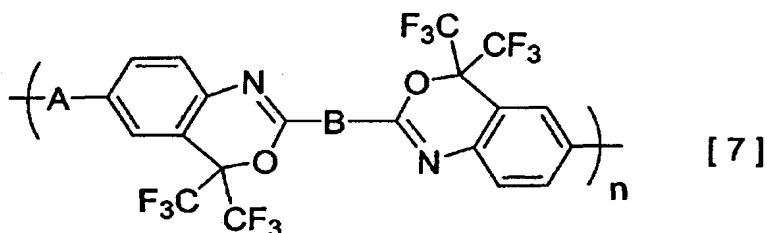


wherein "A", "a" and "b" are the same as those of the formula [1]; B is a bivalent organic group containing at least one selected from aliphatic rings, aromatic rings and alkylene groups; it may contain fluorine, chlorine, oxygen, sulfur or nitrogen, and its hydrogens may be partially replaced with alkyl group, fluoroalkyl group, carboxylic group, hydroxyl group or cyano group; and "n" represents degree of polymerization.

8. (previously presented) A polymer compound represented by the formula [7] that is obtained by subjecting a polymer compound according to claim 7, which is obtained by a polymerization using a monomer represented by the formula [2],

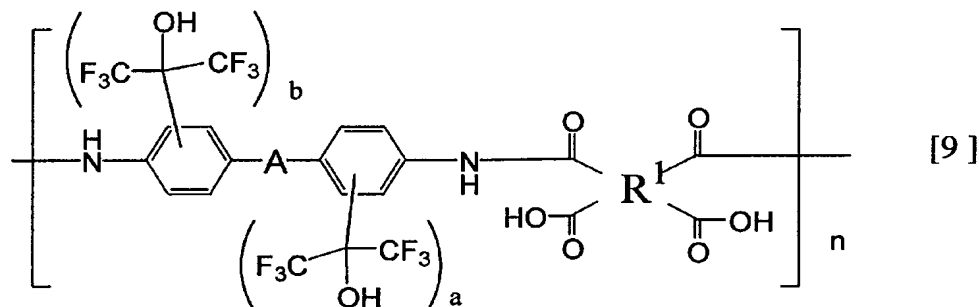


wherein A represents a single bond, oxygen atom, sulfur atom, CO, CH<sub>2</sub>, SO, SO<sub>2</sub>, C(CH<sub>3</sub>)<sub>2</sub>, NHCO, C(CF<sub>3</sub>)<sub>2</sub>, phenyl, or aliphatic ring, to a cyclization condensation,



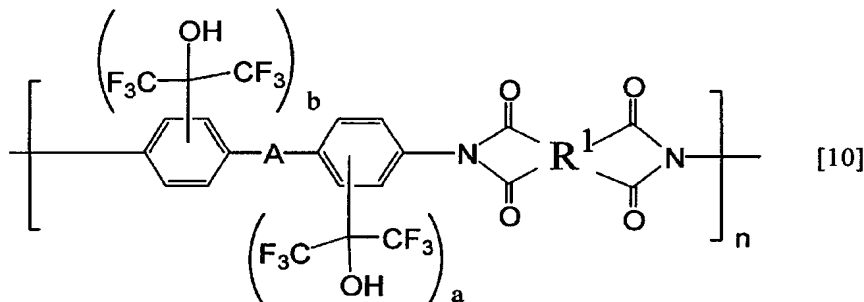
wherein A, B and n are the same as those of the formula [6].

9. (previously presented) A polymer compound according to claim 6, which is obtained by a synthesis using a monomer according to the formula [1] and is represented by the formula [9],



wherein "A", "a" and "b" are the same as those of the formula [1]; R<sup>1</sup> is a tetravalent organic group containing at least one selected from aliphatic rings, aromatic rings and alkylene groups; it may contain fluorine, chlorine, oxygen, sulfur or nitrogen, and its hydrogens may be partially replaced with alkyl group, fluoroalkyl group, carboxylic group, hydroxyl group or cyano group; and "n" represents degree of polymerization.

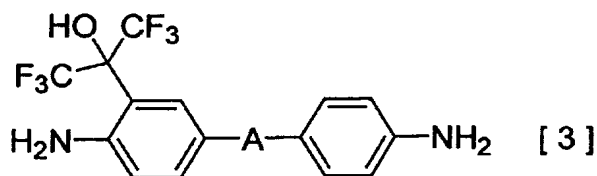
10. (previously presented) A polymer compound that is obtained by subjecting a polymer compound according to the formula [9] of claim 9 to a cyclization condensation and is represented by the formula [10],



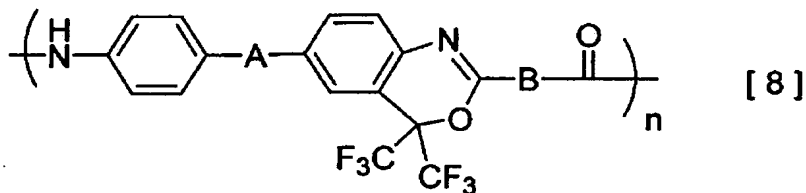
wherein "A", "a" and "b" are the same as those of the formula [1]; R<sup>1</sup> is a tetravalent organic group containing at least one selected from aliphatic rings, aromatic rings and alkylene groups; it may contain fluorine, chlorine, oxygen,

sulfur or nitrogen, and its hydrogens may be partially replaced with alkyl group, fluoroalkyl group, carboxylic group, hydroxyl group or cyano group; and "n" represents degree of polymerization.

11. (previously presented) A polymer compound represented by the formula [8] that is obtained by subjecting a polymer compound according to claim 7, which is obtained by a polymerization using a monomer represented by the formula [3],



wherein A represents a single bond, oxygen atom, sulfur atom, CO, CH<sub>2</sub>, SO, SO<sub>2</sub>, C(CH<sub>3</sub>)<sub>2</sub>, NHCO, C(CF<sub>3</sub>)<sub>2</sub>, phenyl, or aliphatic ring, to a cyclization condensation,



wherein A, B and n are the same as those of the formula [6].

12. (new) A fluorine-containing polymerizable monomer according to claim 1, wherein A of the formula [1] represents CH<sub>2</sub>.

13. (new) a fluorine-containing polymerizable monomer according to claim 2, wherein A of the formula [2] represents CH<sub>2</sub>.